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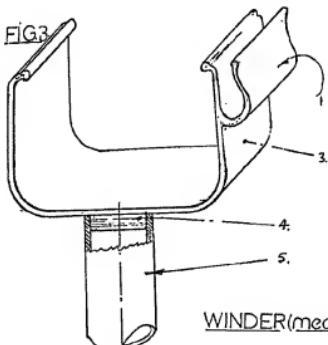
(52) UK CL (Edition K)  
E2A AGRX AGU A350 A353 A354 A370 A414 A415  
A416 A417  
B8M MGJ M105

(56) Documents cited  
GB 2181778 A GB 2125370 A GB 1525155 A  
GB 1200245 A WO 82/02239 A1 US 4779816 A  
US 4503413 A US 4437633 A US 3654668 A

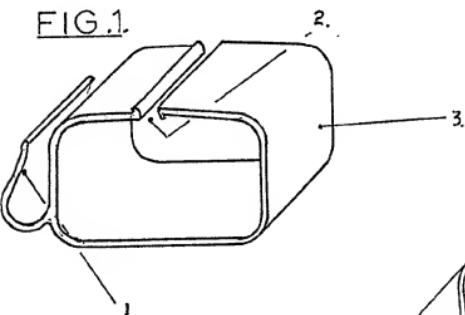
(58) Field of search  
UK CL (Edition K) B8M MGJ, E2A AGRB AGRX  
AGU  
INT CL<sup>5</sup> A44B 21/00, B65H 75/06, F16B 2/22  
Online databases:WPI

## (54) Clip

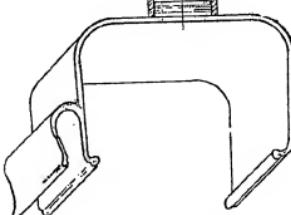
(57) The clip 3 holds lengths of material – for example rope, wire and tubing – to provide easy storage of same. The clip is moulded from a material such as PVC or nylon and includes a pinch facility 1 for securely holding the length of material to the clip.



WINDER-CLIP(small)



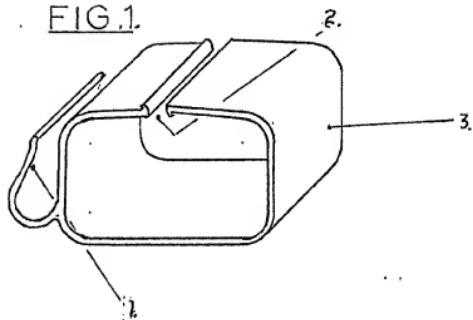
WINDER(medium)



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WINDER-CLIP(small) 1 of 3

FIG.1.



WINDER-CLIP(medium) 2 OF 3

FIG.2.

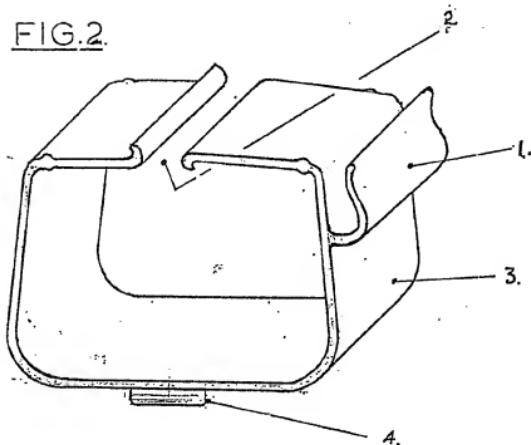
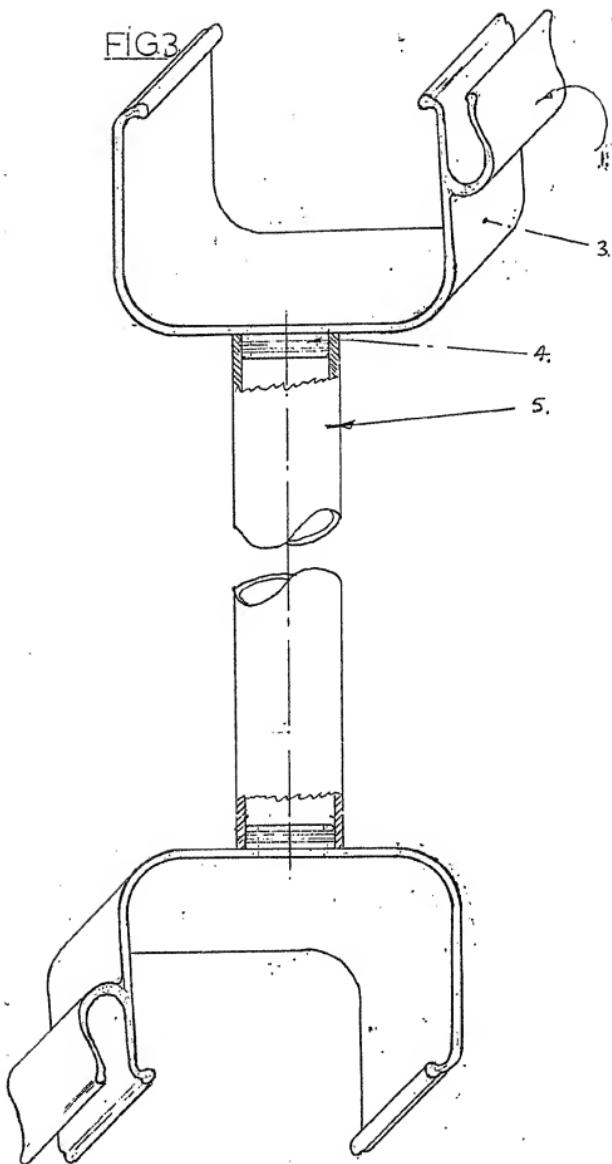


FIG3

WINDER(medium)  
3 oF 3



-1-

WINDER-CLIP

This invention relates to a winder-clip.

This winder-clip has the function to provide a simple and easy method to secure in a tidy and safe way all lengths of materials i.e. rope, nylon, hose, wire, electric wire, leads, string, plastic and tubing.

The existing market does have products to fulfil this function. These products are in the form of reel winders which are generally of complex and expensive designs.

The winder-clip is a one piece component moulded from PVC, nylon or similar material. It has no moving parts and does not rust or deteriorate. Provision of a pinch facility enables the winder-clip to be attached to the material being wound. It is made from a flexible material which allows a range of diameter materials to be sprung into the clip. Varying sizes of winder-clip can be manufactured to suit specific requirements. A locking facility prevents the wound material falling out.

A specific embodiment of the invention will now be described by way of example with reference to the accompanying drawings in which:-

Figure 1 shows full size of a small winder-clip

Figure 2 shows full size of a medium winder-clip

Figure 3 shows full size of a medium winder

FIGURE 1 SMALL WINDER-CLIP

Feature '1' illustrates the pinch facility to secure the wound material or to secure the clip to the material.

Feature '2' illustrates the lock facility which ensures the clip is closed to prevent the wound material falling out.

Feature '3' winder-clip manufactured from flexible material

FIGURE 2 MEDIUM WINDER-CLIP

Features '1', '2', and '3' as detailed for Figure 1.

Feature '4' moulded boss to allow spacer handle '5' to be attached.

FIGURE 3 MEDIUM WINDER

Feature 1 Pinch facility

Feature 4 Moulded Boss

Feature 5 Spacer handle.

CLAIMS

- 1 The winder-clip is a one piece component moulded from PVC, nylon or similar material.
- 2 It has a pinch facility, which allows it to be attached to the material being wound.
- 3 It has a securing facility, to ensure that the wound material can be locked to the winder-clip.
- 4 The flexibility, of the winder-clip allows a range of diameter materials to be sprung into the clip.
- 5 Varying size of winder-clip can be manufactured to suit a wide range of sizes and materials.
- 6 Varying shapes of clip profiles can be manufactured.

## Relevant Technical fields

(i) UK CI (Edition K ) E2A (AGRIB, AGRX, AGU);  
B8M (MGJ)  
(ii) Int CI (Edition 5 ) A44B 21/00; F16B 2/22;  
B65H 75/06

Search Examiner  
M D WALKER

## Databases (see over)

(i) UK Patent Office

Date of Search

3 MAY 1991

(ii)

Online Databases : WPI

## Documents considered relevant following a search in respect of claims

ALL

Category (see over)	Identity of document and relevant passages	Relevant to claim(s)
X	GB 2181778 A (DEK) page 2 lines 6-12	1
X	GB 2125370 A (AUROIL) whole document	1
X	GB 1525155 (FLORIN) page 1 lines 44-50, page 2 lines 3-27	1
X	GB 1200245 (CARR) page 1 lines 50-57	1
X	WO 82/02239 A1 (USM) page 3 lines 13-25	1
X	US 4779816 (VARLET) column 1 lines 52-67	1
X	US 4503413 (STALZER) column 1 lines 49-62	1
X	US 4437633 (ANDRE) figures 1-6, column 2 lines 27-34	1
X	US 3654668 (APPLETON) figures 1-8; column 1 line 73, column 2 line 21. column 3 lines 34-41	1

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Category	Identity of document and relevant passages	Relevant to claim(s)

#### Categories of documents

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Y: Document indicating lack of inventive step if combined with one or more other documents of the same category.

A: Document indicating technological background and/or state of the art.

P: Document published on or after the declared priority date but before the filing date of the present application.

E: Patent document published on or after, but with priority date earlier than, the filing date of the present application.

&: Member of the same patent family, corresponding document.

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